

Missouri Department of Natural Resources  
Outreach and Assistance Center

# Water & Wastewater Digest

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May/June 2003

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## Using Revolving Funds for Transmission And Distribution Infrastructure Needs

The following information is an excerpt from a U.S. Environmental Protection Agency Fact Sheet of the same title. The complete fact sheet is available on-line at <http://www.epa.gov/safewater/dwsrf/fund-td.pdf>.

The Drinking Water State Revolving Fund (DWSRF) program was established by the 1996 Safe Drinking Water Act (SDWA) Amendments and authorizes grants to states to capitalize revolving loan funds. The states provide low-interest loans to eligible systems for infrastructure improvements needed to ensure compliance with the SDWA and protect public health. The DWSRF program can play a significant role in helping systems meet the challenges of complying with drinking water standards.

According to the Environmental Protection Agency's (EPA's) 1999 Drinking Water Infrastructure Needs Survey, the total 20-year need for transmission and distribution projects is \$83.2 billion. Transmission and distribution system needs account for more than half of the infrastructure investments needed nationwide. This reflects the reality that the bulk of a water system's assets are the pipes that move raw water from the source to the treatment plant and distribute treated water to the consumer.

Transmission and distribution pipes that should be replaced, rehabilitated, or enlarged are a serious threat to public health. Rehabilitating and replacing transmission and distribution infrastructure can

be costly. The DWSRF can provide assistance to systems to help ease this burden, increase compliance and protect public health.

### What is the challenge facing America's transmission and distribution systems?

Most water systems have a general idea of the condition of their delivery network, but detailed evaluation is time-consuming and technologically challenging, especially for older systems. Pipes do not deteriorate at a constant rate. During the initial period following installation, the deterioration rate is relatively slow. As pipes near the end of their life cycle, they begin to deteriorate more rapidly, dramatically increasing the repair and upkeep expenses. In addition, the rate of deterioration of a distribution system is not solely a function of age, but rather a combination of factors including the characteristics of the water, soil conditions, and climate. When a pipe ruptures or a valve does not close properly, the pressure of the system can drop and intrusion of contaminants can occur, putting water consumers at serious risk. Even well-run water systems with relatively new distribution systems can experience water main breaks.

### What public health threats are created by system failures?

Contamination introduced into the transmission and distribution network can cause many problems for a water system. The

most acute threat from transmission and distribution system failure is that old pipe, weak and brittle from hard-to-detect internal or external corrosion, will break, causing the pressure in the distribution system to plummet. Any break or leak in a distribution system can potentially draw chemical and microbial contaminants into the distribution. Even short periods of exposure to acute contaminants, like bacteria and viruses, can threaten public health.

### What infrastructure investments are needed?

The 1999 Drinking Water Infrastructure Needs Survey determined that water systems need to invest \$83.2 billion by 2018 to improve the nation's drinking water transmission and distribution infrastructure. Transmission and distribution infrastructure accounts for more than 55% of the total water infrastructure investment needed nationwide. At least \$65.6 billion is needed immediately to rehabilitate or replace pipes to adequately protect public health. As water systems modernize their treatment capability, they are becoming increasingly aware of the need to upgrade their distribution systems so that they can reliably deliver safe water. This attention should continue to increase—EPA estimates the transmission and distribution infrastructure need will be even greater

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## Department of Natural Resources Operator Certification and Training Unit 2003 Examination Schedule

Date	Session No.	Location(s)	Filing Deadline
June 2	15	Powder Valley Nature Center, St. Louis	May 2
June 3	16	Conference Center, 1738 E. Elm, Jefferson City	May 3
July 1	17	Southeast Regional Office, Poplar Bluff	June 1
	18	Southwest Regional Office, Springfield	
	19	Conference Center, 1738 E. Elm, Jefferson City	
August 5	20	Northeast Regional Office, Macon	July 5
	21	Kansas City Regional Office, Lee's Summit	
	22	Conference Center, 1738 E. Elm, Jefferson City	
September 2	23	Conference Center, 1738 E. Elm, Jefferson City	August 2
September 8	24	Powder Valley Nature Center, St. Louis	August 8
October 7	25	Southeast Regional Office, Poplar Bluff	September 2
	26	Southwest Regional Office, Springfield	
	27	Conference Center, 1738 E. Elm, Jefferson City	
November 4	28	Northeast Regional Office, Macon	October 4
	29	Kansas City Regional Office, Lee's Summit	
	30	Conference Center, 1738 E. Elm, Jefferson City	
December 1	28	Powder Valley Nature Center, St. Louis	November 1
December 2	29	Conference Center, 1738 E. Elm, Jefferson City	November 2

Regular wastewater examinations are scheduled for 9 a.m., and the water supply examinations are scheduled for 1 p.m., **unless otherwise noted on the admission letter.**

## EPA Fact Sheets Promote Source Water Protection

The U.S. Environmental Protection Agency (EPA) has published a series of fact sheets about best management practices for activities likely to impact drinking water sources. Each fact sheet covers how activities can be managed to prevent drinking water contamination. The fact sheets include:

- ◆ Highway de-icing,
- ◆ Stormwater runoff,
- ◆ Septic systems,
- ◆ Above and underground storage tanks,
- ◆ Vehicle washing,
- ◆ Managing small-quantity chemical use,
- ◆ Small- and large-scale application of pesticides
- ◆ Agricultural fertilizer, and
- ◆ Sanitary sewer overflows and combined sewer overflows.

These fact sheets complement EPA's source water protection training course, which is available through the EPA Drinking Water Academy at [www.epa.gov/safewater/dwa.html](http://www.epa.gov/safewater/dwa.html). To access the bulletins online in PDF format, visit [www.epa.gov/ogwdw/protect/swpbull.html](http://www.epa.gov/ogwdw/protect/swpbull.html).

## Dr. Roger Folk Leaves Safe Drinking Water Commission

Dr. Roger Folk has announced his resignation from the Missouri Safe Drinking Water Commission. Folk, who served as representative of the general public, attended his final commission meeting March 27. "It has been an honor and a privilege to represent the people of Missouri by serving on the commission," said Folk. "I've enjoyed it, and we've made tremendous progress over the years." Dr. Folk is resigning to move to Durango, Co., with his wife, Marilyn, to enjoy the mountains and hiking trails.

Dr. Folk has been a member of the Safe Drinking Water Commission since its inception in 1992 and served as a member of the Safe Drinking Water Advisory Committee prior to the creation

of the commission. The Safe Drinking Water Commission promulgates rules necessary for the implementation, administration and enforcement of Missouri's safe drinking water statutes and approves loan criteria and intended use plan for the drinking water revolving fund. The commission advises the Department of Natural Resources on various drinking water issues.

At his final commission meeting, Folk was presented with a plaque and a governor's proclamation honoring his years of service to the state. The commission and Public Drinking Water Program staff join in wishing Dr. Folk much success in his future endeavors.

## Drinking Water Proposed Rules Published

April 15 Missouri Register – Proposed rules to adopt EPA's Arsenic, Public Notice, and Long-term 1 Enhanced Surface Water Treatment Rules. Information meeting and public hearing: 10 a.m., May 22, 2003, at 1738 E. Elm Street, Jefferson City.

May 15 Missouri Register – Proposed rules to change the coliform sample holding time from 48 hours to 30 hours. Information meeting and public hearing: 10 a.m., July 24, 2003, at 1738 E. Elm Street, Jefferson City.

## Governor Proclaims May 4-10 Drinking Water Week

Gov. Bob Holden has proclaimed May 4-10, 2003, as Drinking Water Week in Missouri. Drinking Water Week recognizes Missouri's public drinking water industry for the work it does in providing Missourians with safe drinking water.

The Missouri Department of Natural Resources administers the state's Public Drinking Water Program. Program Director Jerry Lane expressed his appreciation for the men and women who work to provide safe drinking water to the resi-

dents and visitors of Missouri. "Public water systems in Missouri face ever-increasing and complex challenges to meet stringent standards that the public has come to expect of them," said Lane. "We're urging all Missourians to join in paying tribute to the tireless, dedicated men and women who run our public drinking water systems."

"Missourians today understand that their health, comfort and standard of living depend greatly on an abundant supply of safe, high-quality drinking water," he con-

tinued. "In Missouri, the Department of Natural Resources works hard to protect Missouri's public drinking water by routinely testing the water quality produced by public water systems and by working with public water system managers and operators to address the growing and complex problems facing public water systems today and in the future."

For more information, call the department's Public Drinking Water Program at 1-800-361-4827 or (573) 751-5331.

## Using DWSRF Funds ...

( ... continued from Front Page)

after 2019 as more pipes and valves reach the end of their useful life.

### How can the DWSRF assist systems?

States use DWSRF capitalization grant monies to provide low interest loans to publicly- and privately-owned public water systems for infrastructure improvements

needed to continue to ensure safe drinking water. Most capital projects needed to upgrade a transmission and distribution system—including replacing fragile water mains and worn-out valves—are eligible for funding under the DWSRF. Consolidation and restructuring of systems can be a cost-effective option for small systems that need

massive infrastructure investment. The DWSRF can fund consolidation, including situations where a system is unable to maintain compliance for technical, financial or managerial reasons.

For more information, please contact the Public Drinking Water Program at (573) 751-5331 or 1-800-361-4827.

## Safe Drinking Water Commission Approves DWSRF Intended Use Plan

*Plan will provide \$68 million to 37 communities for drinking water improvement projects.*

At its meeting on March 27, the Safe Drinking Water Commission approved the Drinking Water State Revolving Fund Intended Use Plan (IUP) for 2003. Thirteen public water systems were added to a list of 24 systems that may receive loans. The loans will range in size from \$197,000 to \$9.26 million. The loans will fund a variety of improvements to drinking sources, treatment, distribution systems and security.

Although \$68 million has been committed to drinking water projects, there

is still approximately \$12 million available for loans. A deadline of May 1, 2003, has been set to receive additional loan applications.

The 37 communities currently on the fundable list are: Livingston Co. #1, Wellsville, Adrian, Rich Hill, Portageville, Archie, Boone Co. Consolidated #1, Andrew Co. #3, Clarence Cannon Whole Water Commission, Glasgow, Adair Co. #1, Bolivar, Ironton, Marchfield, Knob Noster, Pineville, Clinton Co. #1, Seneca, Bowling Green, Taney Co. #2, Moberly, Paris, Franklin Co. #1,

Cass/Bates Co. #12, Jasper Co. #1, Cleveland, Ray Co. #1, Carl Junction, Bates City, Fulton, Gower, Linn, Ray Co. #2, Green City, Lake Lafayette, Lee's Summit and Osage Beach.

For more information or a copy of the intended use plan, contact Stephen Jones of the department's Public Drinking Water Program at 1-800-361-4827 or (573) 751-5331. Written requests can be sent to the Department of Natural Resources, Public Drinking Water Program, P.O. Box 176, Jefferson City, MO, 65102-0176.

## Two More Drinking Water Wells are Found Contaminated in Hematite

In spring 2002, six homes in the River Bend subdivision in Hematite were found to have levels of trichloroethylene (TCE) above drinking water standards in their wells. The TCE, a common solvent and degreaser used in the 1950s, is suspected to have come from a former uranium processing plant located in Hematite off Highway P, near Festus. Westinghouse, Inc., the owner of the plant as of 2001, is decommissioning the former uranium processing plant and is in the early stages of cleanup at the site. When the wells were discovered to have TCE contamination, Westinghouse installed carbon filtration systems in the affected homes, to remove the TCE. Bottled water was also supplied.

On Sept. 3, two more drinking water wells were found to contain TCE above the drinking water standards. Bottled water was already being supplied to those homes and filtration systems have also been installed. A public availability session was held to give citizens the opportunity to ask questions of the Missouri Department of Natural Resources, the Department of Health and Senior Services, Westinghouse and its contractors.

Because the citizens of Hematite and the surrounding areas want to take a more active role in the remediation of the Westinghouse Plant, they have formed a community advisory group (CAG) known as the Joachim Watershed Community

Advisory Group. A CAG is one of the most effective tools to accomplish this goal because it provides a public forum where citizens can discuss their concerns about the site and its cleanup. Citizens in the Hematite area realize the importance of their input into the decision making process, and a CAG is one of the most effective tools to accomplish this goal.

For more information on the Hematite radioactive site and its remediation or the Joachim Watershed Community Advisory Group, contact Ramona Huckstep of the Missouri Department of Natural Resources, Federal Facilities Section at (573) 751-3907 or by e-mail at [hazwaste@dnr.state.mo.us](mailto:hazwaste@dnr.state.mo.us).

### Laboratory Holidays

The state health laboratory will be closed on the following state holiday:

May 26, 2003, Memorial Day



# Missouri Department of Natural Resources

## Approved Training Courses

Please contact the course coordinator at the phone number listed below their name for more information

Course Title Course Number	Course Location Sponsored By	Course Coordinator Coord. Phone No.	First/Last Day	Number of Days	Renewal Credit Hours				
					Drinking--	Dist--	WasteW--	CAFO	
1 Day Operator Seminar 03-05-352	Springfield MWWC	Sandi Miller 573-761-0376	05/21/03 05/21/03	1	2.0	0.0	6.5	0.0	
1 Day Operator Seminar 03-05-369	Bolivar MWWC	Sandi Miller 573-761-0376	05/21/03 05/21/03	1	2.0	0.0	6.5	0.0	
Emergency Generator Seminar 03-01-314	Independence HPS	Bill Huffman 816-373-4594	05/21/03 05/21/03	1	4.5	4.5	4.5	0.0	
Environmental Mgmt. Institute 03-05-134	Lebanon MoDNR/OAC-EAO	Ellen Harrel 573-526-6627	05/21/03 05/22/03	2	8.0	7.0	7.0	0.0	
Wastewater Treatment 03-01-221	Grain Valley MWWC	Sandi Miller 573-761-0376	05/21/03 06/18/03	5	0.0	0.0	26.0	0.0	
MRWA Mtg/Backflow 03-03-357	Lake Ozarks MRWA	Randy Norden 573-657-5533	05/22/03 05/22/03	1	2.0	2.0	2.0	0.0	
Entry Level Wastewater Trmt 03-01-006	Gallatin MoDNR/OAC	Lorene Lindsay 816-797-7753	05/28/03 06/26/03	10	14.0	12.0	65.0	8.0	
Lift Stations 03-02-105	Macon MoDNR/NERO	Keith Phipps 660-385-2129	05/28/03 05/28/03	1	2.5	2.5	6.0	6.0	
Chemical Safety 03-01-092	Kansas City MARC	John Staples 816-474-4240	05/30/03 05/30/03	1	4.0	4.0	4.0	4.0	
Lagoons 03-02-106	Macon MoDNR/NERO	Keith Phipps 660-385-2129	05/30/03 05/30/03	1	2.0	0.0	6.0	6.0	
Motor Starters, Contr Devices 03-06-050	Bridgeton Control Tech	Jaime McCorkell 314-739-6050	05/30/03 05/30/03	1	6.5	6.5	6.5	6.5	
Vacuum Sewer Systems 03-09-291	Rochester, IN Airvac Inc.	Kevin Scott 574-223-3980	06/01/03 06/30/03	4	0.0	0.0	22.0	0.0	
National Electrical Code 2002 03-06-152	St Louis NTT	Marta Horton 303-957-4397	06/02/03 06/04/03	3	21.0	21.0	21.0	0.0	
NEC 2002&Grounding&Elec Sys 03-06-150	St Louis NTT	Maria Horton 303-957-4397	06/02/03 06/06/03	5	35.0	35.0	35.0	0.0	
Water Trmt. Short School 03-05-173	Neosho ERC	Autumn Sweet 800-848-8726	06/02/03 06/06/03	5	35.0	35.0	11.5	0.0	
A&B Wastewater Advanced 03-02-107	Macon MoDNR/NERO	Keith Phipps 660-385-2129	06/04/03 06/27/03	10	20.0	20.0	58.0	0.0	
Jar Testing 03-01-336	Lee's Summit MoDNR/KCRO	Mark Klaus 816-622-7042	06/04/03 06/04/03	1	6.0	6.0	6.0	6.0	
Distribution Operations 03-05-384	Ozark MRWA	Randy Norden 573-657-5533	06/05/03 06/05/03	1	2.0	6.0	1.0	0.0	
Grnd&Bonding/Bldg Elec Sys 03-06-154	St Louis NTT	Marta Horton 303-957-4397	06/05/03 06/06/03	2	14.0	14.0	14.0	0.0	
Jar Testing 03-01-337	Adrian MoDNR/KCRO	Mark Klaus 816-622-7042	06/05/03 06/05/03	1	6.0	6.0	0.0	0.0	
HVAC/Pumping Motor Contr 03-06-054	Bridgeton Control Tech	Jaime McCorkell 314-739-6050	06/06/03 06/06/03	1	6.5	6.5	6.5	6.5	
Distribution Systems 03-05-180	Monett ERC	Autumn Sweet 800-848-8726	06/09/03 06/10/03	2	13.0	13.0	6.0	0.0	
Backflow Prevention 03-01-174	Kansas City ERC	Autumn Sweet 800-848-8726	06/10/03 06/12/03	3	22.5	22.5	22.5	22.5	
Distribution Certification 03-01-368	Rockport MoDNR/KCRO	David Williams 816-622-7044	06/10/03 06/25/03	6	38.5	38.5	20.0	0.0	
Intro Wastewater Lab - Part B 03-01-013	Grain Valley MoDNR/OAC	Lorene Lindsay 816-797-7753	06/10/03 06/18/03	4	4.0	0.0	30.0	2.0	
Activated Sludge 03-02-108	Macon MoDNR/NERO	Keith Phipps 660-385-2129	06/11/03 06/13/03	2	0.0	0.0	12.0	0.0	
Distribution Systems 03-05-181	Nevada ERC	Autumn Sweet 800-848-8726	06/11/03 06/12/03	2	13.0	13.0	6.0	0.0	
Emergency Generator Seminar 03-01-402	Independence HP	Bill Huffman 816-373-4594	06/11/03 06/11/03	1	4.5	4.5	4.5	0.0	
Jar Testing 03-01-338	Savannah MoDNR/KCRO	Mark Klaus 816-622-7042	06/11/03 06/11/03	1	6.0	6.0	0.0	0.0	

# Missouri Department of Natural Resources

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					Drinking--	Dist--	WasteW--	CAFO	
Drinking Water Laboratory 03-01-093	Kansas City MARC	John Staples 816-474-4240	06/12/03 06/12/03	1	6.0	6.0	1.5	1.5	
Jar Testing 03-01-340	Bethany Mo/KCRO	Mark Klaus 816-622-7042	06/12/03 06/12/03	1	6.0	6.0	0.0	0.0	
Operator Training Seminar 03-03-211	Cuba MWWC	Sandi Miller 573-761-0376	06/12/03 06/12/03	1	6.5	6.5	6.5	0.0	
Vulnerability Assessment & Sec 03-02-385	La Belle MRWA	Randy Norden 573-657-5533	06/12/03 06/12/03	0	6.5	6.5	6.5	0.0	
Wastewater Trmt. Short School 03-05-176	Neosho ERC	Autumn Sweet 800-848-8726	06/16/03 06/20/03	5	11.5	11.5	35.0	0.0	
Office Professionals Seminar 03-03-386	Lake Ozark MRWA	Randy Norden 573-657-5533	06/17/03 06/18/03	2	8.5	8.5	8.5	0.0	
Pump & Motor Maintenance 03-06-175	Farmington ERC	Autumn Sweet 800-848-8726	06/17/03 06/18/03	2	15.0	15.0	15.0	15.0	
The Tracker 03-04-198	Fredricktown MWWC	Sandi Miller 573-761-0376	06/19/03 06/19/03	1	6.5	6.5	6.5	0.0	
Wastewater Options/Small Sys 03-01-094	Kansas City MARC	John Staples 816-474-4240	06/19/03 06/19/03	1	0.0	0.0	6.0	0.0	
Backflow Certification 03-04-177	Poplar Bluff ERC	Autumn Sweet 800-848-8726	06/23/03 06/27/03	5	28.0	28.0	28.0	28.0	
National Electrical Code 2002 03-01-153	Kansas City NTT	Marta Horton 303-957-4397	06/23/03 06/25/03	3	21.0	21.0	21.0	0.0	
NEC 2002&Gounding&Elec Sys 03-01-151	Kansas City NTT	Marta Horton 303-957-4397	06/23/03 06/27/03	5	35.0	35.0	35.0	0.0	
Water Lab 03-05-178	Neosho ERC	Autumn Sweet 800-848-8726	06/24/03 06/25/03	2	13.0	10.0	1.0	0.0	
NPDES Permits & DMRs 03-02-109	Macon MoDNR/NERO	Keith Phipps 660-385-2129	06/25/03 06/25/03	1	0.0	0.0	6.0	0.0	
Certification Math Review 03-05-179	Neosho ERC	Autumn Sweet 800-848-8726	06/26/03 06/26/03	1	6.0	6.0	6.0	6.0	
Grnd&Bonding/Bldg Elec Sys 03-01-155	Kansas City NTT	Marta Horton 303-957-4397	06/26/03 06/27/03	2	14.0	14.0	14.0	0.0	
12 Day Multi Level WTP Oper. 03-01-367	Gallatin MoDNR/KCRO	David Williams 816-622-7044	06/30/03 08/06/03	12	73.5	39.0	30.0	0.0	
Vacuum Sewer Systems 03-09-292	Rochester, IN Airvac Inc.	Kevin Scott 574-223-3980	07/01/03 07/31/03	4	0.0	0.0	22.0	0.0	
Water & Wastewater Systems 03-06-396	Hillsboro MWWC	Sandi Miller 573-761-0376	07/02/03 07/02/03	1	5.0	5.0	5.0	0.0	
Utility System Safety 03-06-332	Washington MWWC	Sandi Miller 573-761-0376	07/15/03 07/15/03	1	6.0	6.0	6.0	0.0	
Certification Prep Seminar 03-04-212	West Plains MWWC	Sandi Miller 573-761-0376	07/16/03 10/08/03	12	30.0	30.0	65.0	0.0	
Math 03-04-213	West Plains MWWC	Sandi Miller 573-761-0376	07/16/03 07/23/03	2	13.0	13.0	13.0	13.0	
WW Short Course & Tours 03-03-397	Jefferson City MWWC	Sandi Miller 573-761-0376	07/16/03 07/16/03	1	0.0	0.0	4.5	0.0	
Advanced W/WW Math 03-03-339	Jefferson City MWWC	Sandi Miller 573-761-0376	07/23/03 07/23/03	1	6.0	6.0	6.0	6.0	
Chlorine Dioxide Seminar 03-01-407	Cameron MoDNR/KCRO	Mark Klaus 816-622-7042	07/23/03 07/23/03	1	6.0	2.0	1.0	0.0	
Treatment, Distribution & Secu 03-06-408	Wright City MWWC	Sandi Miller 573-761-0376	07/29/03 07/29/03	1	5.5	5.5	2.0	0.0	
Electrical 03-04-214	West Plains MWWC	Sandi Miller 573-761-0376	07/30/03 08/06/03	2	13.0	13.0	13.0	13.0	
Vacuum Sewer Systems 03-09-293	Rochester, IN Airvac Inc.	Kevin Scott 574-223-3980	08/01/03 08/31/03	4	0.0	0.0	22.0	0.0	
Treatment, Distribution & Secu 03-01-409	Warrensburg MWWC	Sandi Miller 573-761-0376	08/07/03 08/07/03	1	5.5	5.5	2.0	0.0	

## Missouri Department of Natural Resources

### Approved Training Courses

Please contact the course coordinator at the phone number listed below their name for more information

<u>Course Title</u> <u>Course Number</u>	<u>Course Location</u> <u>Sponsored By</u>	<u>Course Coordinator</u> <u>Coord. Phone No.</u>	<u>First/Last Day</u>	<u>Number</u> <u>of Days</u>	<u>Renewal</u> <u>Credit Hours</u>			
					<u>Drinking</u>	<u>Dist</u>	<u>WasteW</u>	<u>CAFO</u>
Basics of Industrial Electrici 03-01-389	Kansas City NTTI	Marta Horton 303-957-4397	08/12/03 08/14/03	3	21.0	21.0	21.0	21.0
Pumping 03-04-215	West Plains MWWC	Sandi Miller 573-761-0376	08/13/03 08/20/03	2	13.0	13.0	13.0	13.0
Wastewater Treatment 03-04-216	West Plains MWWC	Sandi Miller 573-761-0376	08/27/03 10/01/03	5	0.0	0.0	26.0	0.0
Vacuum Sewer Systems 03-09-294	Rochester, IN Airvac Inc.	Kevin Scott 574-223-3980	09/01/03 09/30/03	4	0.0	0.0	22.0	0.0
Motor Starters, Contr Devices 03-06-051	Bridgeton Control Tech	Jaimie McCorkell 314-739-6050	09/05/03 09/05/03	1	6.5	6.5	6.5	6.5
Electrical PM 03-06-055	Bridgeton Control Tech	Jaimie McCorkell 314-739-6050	09/12/03 09/12/03	1	6.5	6.5	6.5	6.5
Environmental Mgmt. Institute 03-06-135	Farmington MoDNR/OAC-EAO	Ellen Harrel 573-526-6627	09/17/03 09/18/03	2	8.0	7.0	7.0	0.0
Vacuum Sewer Systems 03-09-295	Rochester, IN Airvac Inc.	Kevin Scott 574-223-3980	10/01/03 10/31/03	4	0.0	0.0	22.0	0.0
Environmental Mgmt. Institute 03-02-136	Chillicothe MoDNR/OAC-EAO	Ellen Harrel 573-526-6627	10/22/03 10/23/03	2	8.0	7.0	7.0	0.0
Vacuum Sewer Systems 03-09-296	Rochester, IN Airvac Inc.	Kevin Scott 574-223-3980	11/01/03 11/30/03	4	0.0	0.0	22.0	0.0
Centrifugal Pumps 03-01-390	Kansas City NTTI	Marta Horton 303-957-4397	11/04/03 11/05/03	2	14.0	14.0	14.0	14.0
Electrical Safety Technical 03-01-392	Kansas City NTTI	Marta Horton 303-957-4397	11/04/03 11/06/03	3	21.0	21.0	21.0	21.0
Utility Safety 03-02-210	Carrollton MWWC	Sandi Miller 573-761-0376	11/05/03 11/05/03	1	6.0	6.0	6.0	0.0
W/WW Chlorine/Disinfection 03-03-346	Rolla MWWC	Sandi Miller 573-761-0376	11/06/03 11/06/03	1	6.5	6.5	6.5	0.0
Electrical Safety Technical 03-06-391	St Louis NTTI	Marta Horton 303-957-4397	11/18/03 11/20/03	3	21.0	21.0	21.0	21.0
Vacuum Sewer Systems 03-09-297	Rochester, IN Airvac Inc.	Kevin Scott 574-223-3980	12/01/03 12/31/03	4	0.0	0.0	22.0	0.0

### Jefferson City Meeting Room Available

The Missouri Water and Wastewater Conference has a meeting room available for meetings and training sessions. The facility has tradi-

tional seating for 20 people or theater seating for 30 people. For more information contact Sandi at sandi@mwwc.info or Denise at

denise@mwwc.info or by calling (573) 761-0376.

### Positions Available: Wastewater Treatment Plant Operators

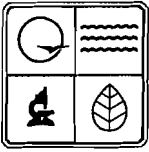
The Water Services Department of Kansas City, Mo., has a continuing need for wastewater plant operators. Newly-hired operators (non-certified) will complete nine months of training on rotated shifts, during which they will participate in efforts to prepare for and obtain the wastewater 'D'

license. They will be required to work second or third shift hours at the Blue River WWTP. Residency within the city limits of Kansas City, Mo., will be required within six (6) months of employment date.



Mail (or fax/email) resume' or letters of inquiry to:

Bob Williams  
7300 Hawthorne Road  
Kansas City, MO 64120  
Fax: (816)513-7227  
E-Mail: bob\_williamson@kcmo.org



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## Water & Wastewater Digest

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**Operator Certificate Number** \_\_\_\_\_

### 1. Previous address:

Name \_\_\_\_\_  
Street \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_ - \_\_\_\_\_

### 2. Your NEW address:

Name \_\_\_\_\_  
Street \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_ - \_\_\_\_\_

#### MAIL TO:

Operator Certification and Training Unit  
P.O. Box 176  
Jefferson City, MO 65102

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